



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090599

Mode: Highway

Status: Submitted

I-85 BUS , US-29, US-70

From/Cross Street: SR 1798 (Old Greensboro Road)

Specific Improvement Type: 7 - Upgrade At-grade Intersection to Interchange or Grade Separation

To:

Project Category: Regional Impact

Length: 2

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$15,700,000

Description:

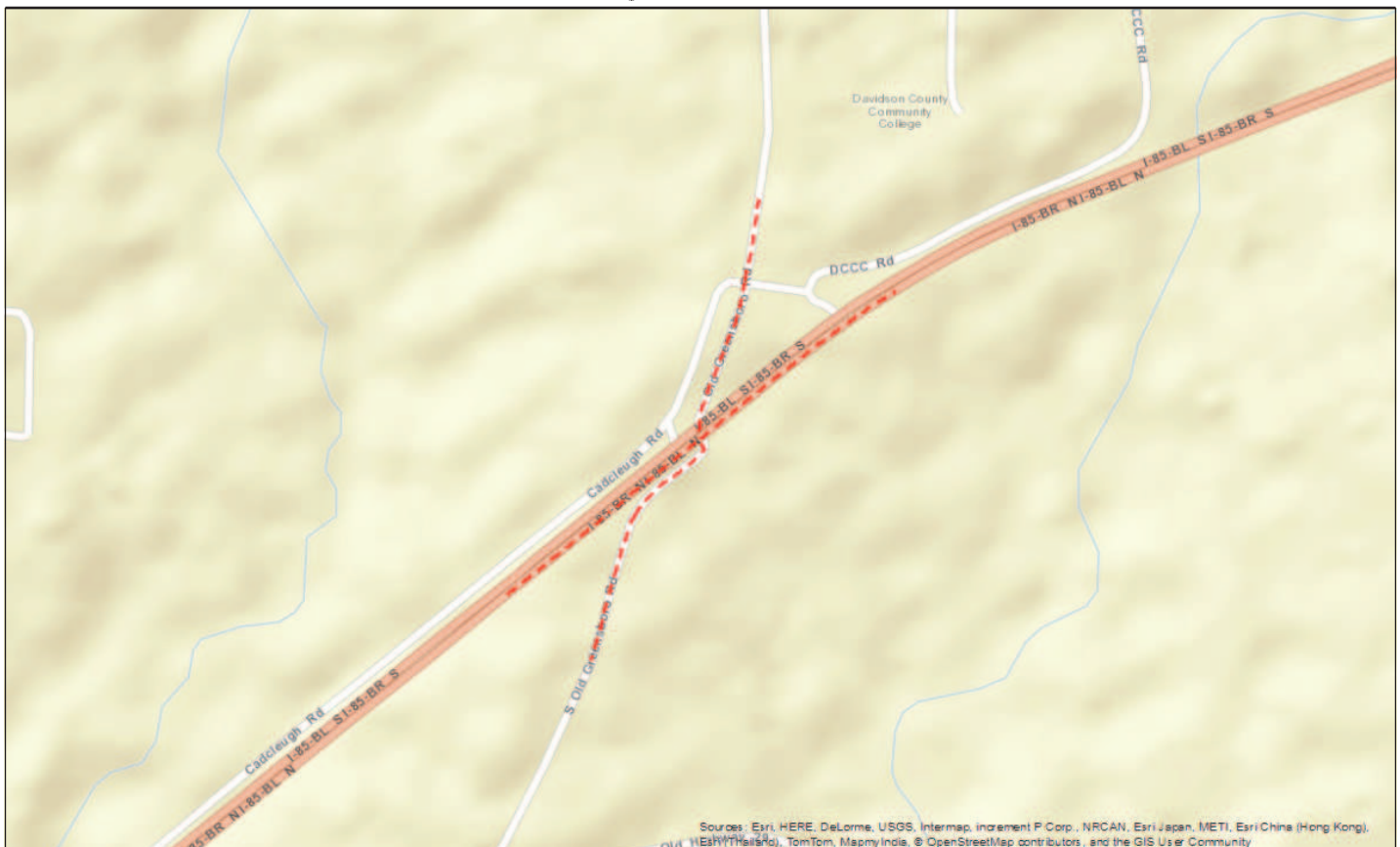
Construct a New interchange at the intersection of I-85 Business/US 29/70 and Old Greensboro Road.

Division(s): Division 9

County(s): DAVIDSON

MPOS(s)/RPO(s): High Point Urban Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 48.17

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 22.76	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 66.65		
[Travel Time] Benefit/Cost (25%) 1.20		
Accessibility / Connectivity (10%) 13.78		
Totals: Weight: 70% Weighted Score: 18.17		

Division Needs Total Score: 61.46

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 22.76	Percent: 25% Points: 100	Percent: 25% Points: 100
Safety (10%) 66.65		
[Travel Time] Benefit/Cost (20%) 1.20		
Totals: Weight: 50% Weighted Score: 11.46		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial- Other Freeway
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	20670.47
Capacity:	85573.12
Volume/Capacity Ratio:	0.24
% Autos:	93%
% Trucks:	7%
Truck Volume:	1460.55
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	33.3
Severity Index:	100
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	95
Actual Congested Speed:	28.05
Travel Time Index:	1.96

Project Benefits

Project Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial- Other Freeway
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	835000
Travel Time Savings for 30 Years (Autos):	775999.99
Travel Time Savings for 30 Years (Trucks):	59000.01
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 9

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 9	100%	100	100
	0%	0	0
	0%	0	0
TOTAL Division Points		100	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
High Point Urban Area MPO	100%	100	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	100

Project Cost and Source

Construction Cost:	\$15,000,000	Cost Estimation Tool
Right-of-Way Cost:	\$3,600,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$18,600,000	
Other Funding:	\$2,900,000	Davidson County Community College
Cost to NCDOT :	\$15,700,000	